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DELIVER TO: **Examiner M. Woodward**
             Group Art Unit 1815

                                        DATE: June 17, 1997

FROM: Patrick J. Hagan, Esq.   OUR REF:

OPERATOR: Tina Doyle   YOUR REF:

Total Pages (including this cover)   4

Re: U.S. Patent Application No. 08/447,820
     Filing Date: May 23, 1995
     Roger P. Ekins

Documents being facsimile transmitted:

      1. Supplemental Response to Paper No. 4 with Certificate of
Facsimile Transmission.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#8/B
(suit
6/18/97

In re the Application of)   Examiner: M. Woodward, Ph.D.
)
ROGER P. EKINS)
)   Group Art Unit: 1815
Application No. 08/447,820)
)   RECEIVED
Filed: May 23, 1995)
)   JUN 11 1997
For: DETERMINATION OF AMBIENT)
CONCENTRATION OF SEVERAL)   GROUP 1800
ANALYTES)

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this paper for U.S.
Application No. 08/447,820 is being facsimile transmitted to
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Tina M. Doyle
Type or print name of person signing certificate

_____   _June 17, 1997_
Signature   Date

SUPPLEMENTAL RESPONSE TO PAPER NO. 4

Please amend the above-identified application as
follows:

In the Claims:

Add new claims 4-8 as follows:

4.   A method for determining the fractional binding site
occupancy of a plurality of binding agents by a plurality of
analytes in a liquid sample of V liters, comprising:

(a) loading a plurality of different binding
agents, each being capable of reversibly binding an analyte
which is or may be present in the liquid sample and is
specific for said analyte as compared to the other components
of the liquid sample, onto a support at a plurality of spaced
apart small spots such that each spot has a high coating
density of one of said binding agents but not more than 0.1
V/K moles of binding agent are present on any one spot, where